

Theoretical Possibility of Separating Beams of Charged Particles With Different Polarizations in a Magnetic Field, by V. V. Vladimirov, 3 pp.

ESTAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CII,
6, 1955, pp 1099, 1100.

SIA 61-17490
Sci Tr Center
RT-4113

39 857

1 - Physics
1956 CTS/dex

Antiproton Annihilation Cross Sections, by
I. Yu. Kobzarev,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CII,
1955, pp 1101-1102.

26,791

AEC Tr 2207

Scientific - Physics

Sep 55 CTS

^t
Mass-Spectrometric Study of Gases Confined in
Electronic Devices With Oxide Cathodes, by
M. D. Morgulis, G. I. Pikus, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, No 6,
1955, pp 1103-1106.

SLA 61-17489
SLA Tr R-718

Sci - Electronics

50, 614

Aug 57

Proton Relaxation and Local Ordering in Paramagnetic Solutions, by A. I. Rivkind.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, No 6,
1955, pp 1107-1110.

Sci Tr Center
RT-3123

30,546

Sci - Physics
Jan 1956/CTS No 77

V Determination of Spectral Sensitivity curves
of Eye Receptors on the Basis of Color-Mixture
Curves, by M. M. Bongard, M. S. Smirnov, 10 pp.

RUSSIAN, per, Dok Aka Nauk SSSR, Vol CII, No 6,
1955, pp 1111-1114.

Physics

Jun 56 CTS

Sci Tr Center RT 3549

36,760

An Investigation, Using C¹⁴, of the Secondary Reactions
of Catalytic Cracking of Hydrocarbons, by E. A.
Andreyev, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, No 6, 1955,
pp 1119-1122.

ATS RJ-1589

Sci - Chem
Jul 59

90, 435

Determination Of Organic Sulphides In the Presence
Of Other Classes Of Sulphur Compounds, by V.G. Luk'yanitsa.

RUSSIAN, per, Akademiya Nauk SSSR Doklady, Vol
CII, No 6, 1955, pp 1123-1125.

CSIRO

Oct. 62

Report on the Interaction of Dialkyltetramethylenesilane
With Concentrated Sulphuric Acid, by A. F. Plate,

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol CII, 1955,
pp 1131-1134.

UKSM QB 39

StI - Chemistry
Mar 58

59,717

Chemical Sensitization of Photographic Emulsions.
Effect of Compounds Containing Labile Sulfur, by
E. A. Kirillov, Zh. L. Broun, K. V. Chibisov, 8 pp.

RUSSIAN, per, Dok Aka Nauk SSSR, Vol CII, No 6,
1955, pp 1159-1162.

Sci Trans Center RT 3600
36,157

Chemistry

Jun 56 CTS

The Temperature Dependence of Electrical Conductivity
of Eutectic Salt Melts, by B. P. Markov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, No 6, 1955,
pp 1163-1165.

ASLIB-GB39

Sci

K-H 40506

Aug 59

95,135

SLA TFG4-16447

Adaptation of the Phototactic apparatus of
Chloroplasts to Light Intensity, by L. N.
Babushkin, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CII, 1955, pp 1215-1218.

SLA R-1330

May 58

64,594

Table of Contents and Abstracts of Doklady Akademii
Nauk, Vol 103, No 1, 2, 1955.

RUSSIAN, mo per, Dok Ak Nauk, Vol 103, No 1, 2, 1955.

CIA/FDD X-1872

Table of Contents of the Periodical
Dok Ak Nauk SSSR, Vol CIII, No's 3, 4, 5, 6, 1955.

Morris D. Friedman

CIA/FOO/X-1878

On the Theorem of the Singularity of the Cauchy Problem and the Mixed Problem for Certain Types of Linear Equation Systems in Particles, by A. G. Kostyshenko.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII, No 1,
1955,

Navy 2341/T-88

Sci - Physics
Oct 59

109, 931

The Finite Integral of Equations of One Dimensional
Similarity Adiabatic Motion of a Gas, by M. L.
S. Lidov. UNCLASSIFIED

RJSSJAE, por, Dok Ak. Nauk SSSR, Vol CXXX, No 2,
1955, pp 35, S. CIA 9031276

TIL 4911

Sci - Phys; Math
Dec 58

77,542

Paramagnetic Resonance in Supercooled Solutions, by
N. S. Garif'yanov.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol CIII, No 1,
1955, pp 41-43.

Assoc Tech Sv TR
\$4.95

Sci - Chemistry
Aug 57

51, 532
RJ-772
69 JLR

Electron Paramagnetic Resonance in Liquid Salt
Solutions, by B. M. Kozyrev, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk USSR, Vol CIII,
No 1, 1955, pp 53-56.

Mossir D. Friedman K-142

Scientific - Physics Jan 56 CTS/DEV

\$3.50 30,262

The Excitation of NEUTRON Rotation Levels During
alpha-Decomposition, by V. G. Nosov, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII, No 1, 1955,
pp 65-67. 9201238

AMERICAN
AEC UURL Tr-258

Sci -Chem
Jan 63

220, 829

Some Results in Relativistic Magnetohydrodynamics,
by K. P. Stanyukovich, 5 pp.

RUSSIAN, thrice-no par, Dok Ak Nauk SSSR,
Vol CIII, 1955, pp 73-76.

ARC Tr 2742

48, 678

Sci - Physics
Jun 57

Breakdown in Metals Under Creep Conditions,
by I. A. Odintsov, et al.

RUSSIAN, thrice-mo per, Eksp Akad Nauk SSSR,
Vol CIII, No 1, 1955, pp 77-80.

Coop Trans Scheme Tr 220
Ll.4s.

Sci - Minerals/Metals, Physics

Jul 1956

36,348

Assoc Elec Ind, Std. J11040

CT 12360

SLA R-3255

The Catalytic Autoxidation of Primary Aromatic Amines
in the Presence of the Complex Pyridine - Cuprous
Chloride, by A. P. Terentiyev, Ya. D. Mogilyanskiy,
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII, # No 1, 1955,
pp 91-93. 9224362
AEC-SC-T-64-907

Sci-Phys
Aug 64

265,155

The Synthesis of Hexaalkoxyderivatives of
Cyclotriethylenetrисilene. (A report), by A. V.
Topchiev.

RUSSIAN, per, Doklady Akad. Nauk SSSR, Vol CIII,
No. 1, 1955, pp 95, 96.

UKSM (G.B. 39)

65, 804

Change of Conductivity of Solutions of Chlorophyll
and Some Other Pigments by Their Photoreduction,
by V. B. Evtigeyev, V. A. Gavrilov, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII,
1955, pp 97-100.

SLA R-1331

May 58

64,620

The Study of Diffusion of Iron in Iron-Molybdenum Alloys, by M. B. Hyman, A. Ya. Shinyayev,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CIII, 1955, pp 101-104.

AEC Tr 2263

RT 3/98

Scientific - Minerals/Metals
Nov 55 CTS/DEX

28,461

On \mathbb{K} the Breaking Up of the Schrodinger Operator Into Eigen-Functions in the Case of an Indefinitely Increasing Function,
by B. M. Levitan.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII,
1955, pp 191-194.

CSIRO

Sci - Engr
May 62

196, 735

On the Renormalization Group in Quantum Electrodynamics, by N. N. Bogolyubov, D. V. Shirkov,
9 pp.

RUSSIAN, thrice-mo par, Dok Ak Nauk SSSR,
Vol CIII, 1955, pp 203-206. CIA 9023053-C

AEC Tr 2639

RT 4462

42, 201

Sci - Physics
Jan 57 CTS

Some Peculiarities of Polarization of Rochelle Salt
Exposed to Radioactive Radiation, by I. S. Zheludev,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII,
No 2, 1955, pp 207-208.

SIA 61-1748

XX Assoc Tech Sv
RJ-437

36,958

Sci - Physics

\$3.60

PO Box 271, East Orange, NJ
N. J.

Aug 1956

Total Cross Section of Negative π^- -Mesons and Deuterium Interactions in the 140 to 400 Mev Energy Region, by A. E. Ignatenko, A. I. Moukhin, E. B. Ozerov, B. M. Pontecorvo, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII, 1955, pp 209-212.

AEC Tr 2257

Scientific - Nuclear Physics
Nov 55 CTS/DEX

28, 462

Inelastic Scattering of 300 Mev π -Mesons by
Complex Nuclei, by N. A. Mitin, E. L. Grigorev,
8 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CIII,
1955, pp 219-222.

AEC Tr 2271

Scientific - Nuclear Physics
Nov 55 CTS/DEX

28456

+

Processes of Star Formation and Fission Produced
by 460 Mev Protons on Wolfram and Bismuth Nuclei,
by N. A. Perfilov, V. I. Ostroumov, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII,
No 2, 1955, pp 227, 228.

Sci Trans Center RT 3149
SLA 61-17515

Scientific - Physics

Feb 56

31,210

Ratio of Positive and Negative High-Energy
 π -Mesons, Produced by Split Nuclei, by A. V.
Khrimyan, 7 pp.

RUSSIAN, per, 3 x mo, Dok Ak Nauk SSSR, Vol CIII,
No 2, 1955, pp 229-232.

Sci Trans Center RT-3312

Sci - Physics

32,063

Asymmetry of Ranges of Fragments in the Fission
of Heavy Nuclei by Very Fast Particles, by
V. P. Shamov, O. V. Lozhkin, 2 pp.

RUSSIAN, thrice-mo per, Dok A. Nauk SSSR, Vol
CIII, No 2, 1955, pp 233.

SLA 61-17514
U A.E.R.E. Harwell Tr 669

Sci - Physics, bismuth, tungsten, uranium,
nuclear fission 36, 335

Jul 1956

The Derivation of Relations Between Cross Sections
Which Follow From the Hypothesis of Isotopic
Invariance, by I. Shmushkevich, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII,
1955, pp 235-238.

AEC Tr 2270

Scientific - Physics
Nov 55 CTS/DEX

28,455

The Mechanism of Solid Solution Formation in the System ZrO₂-CaO, by E. K. Geler, N. A. Godina, 6 pp.

RUSSIAN, mo per, Dok Ak Nauk SSSR, Vol CIII, 1955,
pp 247-250.

SLA Tr R-907

Sci - Chemistry
Oct 57

54, 112

Syntheses of Compounds of the Pseudoheliotridane
and Heliotridane Series. Preparation of Curare-
Like Substances, by A. Kuzovkov.

RUSSIAN, per, Doklady Ak Nauk SSSR, Vol CIII, No 2,
1955, pp 251, 252.

UKSM Ref No 3148

Sci - Chemistry
Nov 57

54, 819

Stratification in the Molten Reciprocal Systems
of Groups I and II Elements, by M. L. Shalokhovich,
D. S. Lesnykh, G. A. Bukhalova, A. G. Bergman,
7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CIII, 1955, pp 261-263.

ABC Tr 2389

31,976

Scientific - Chemistry

Mar 56 CTS/DIX

Ignition of Flowing Gas Mixtures by an Incandescent Body, by L. N. Khitriin, S. A. Gol'denberg,

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol CIII,
No 2, 1955 pp 277-280.

Assoc Tech Sv RJ-415

\$6.60

PO Box 271, East Orange, N. J.

Sci - Chemistry
Aug 1956

36,972

The Photochemical Reaction of Chlorophyll With
Cytochrome, by A. A. Krasnovskii, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII, 1955,
pp 283, 286.

SLA Tr R-1332

Sci

Jun 58

65,827

The Distribution of Organic Carbon in Sediments of
the Bering Sea, by A. P. Lisitsyn.

RUSSIAN, per, Doklady Ak Nauk SSSR, Vol CIII, No 2,
1955, pp 299-302.

Assoc Tech Sv
\$6.95 Tr RJ-756

Sci - Geophysics
Aug 57

51, 755-

Photoaxis Spectrum of Chloroplasts, by L. N.
Babushkin, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CIII, 1955, pp 333-357.

SLA R-1333

May 58

64,596

Theory of the Plastic Deformation of Metals, by
N. S. Akulov, P. P. Galenko) / 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CIII, No 3, 1955, pp 387-390.

Morris D. Friedman T.I.L.T-1423
\$3.00

34,929.

Scientific - Min/Metals
Jun 56 GTS/dex

A.G.H.E. R-672

Co-op R.Schwarz 65

T.I.R.S.

GTS 14.23434

Application of the Renormalization Group to
Improvement of Formulas in Perturbation Theory,
by N. N. & Bogolyubov, D. V. Shirkov,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII, 1955,
pp 391-394.

AEC Tr 2508

40,179

Sci - Physics

Interaction of π^- -Mesons with Nuclei of Beryllium,
Carbon, and Oxygen in the Energy Range From
140 to 400 MEV, by A. E. Ignatenko, A. I. Mukhin,
E. B. Ozerov, B. M. Pontecorvo, 6 pp.

RUSSIAN, mo per, Dok Ak Nauk SSSR, Vol CIII,
1955, pp 395-397.

AEC Tr ~~NSW~~ 2303

P.E.R.E 637

Sci - Nuclear Physics

29,199

SAC-Subj-Ag 36/0385

Determination of the Effective Cross Section
for Electron Loss by Atomic Nitrogen Ions in the
Energy Range of 485 to 1180 KEV, by
M. I. Korsunskiy, L. I. Pivovar, A. M. Markus,
Kh. L. Levyant, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII,
1955, pp 399-402.

SLA 61-17505
AEC Tr 2391

ATS RJ439

Associated Tech Services
(Tr 8348R)
East Orange, N. J. 32,156

Scientific - Chemistry
Physics

Mar 56 CTS/DEX

Electron-Loss Cross Sections of Li and Na Ions
in the 80-250 Kev Energy Range, by Kh. L. Leviant,
M. I. Korzunskiy, L. I. Pivovar, I. M. Pod-
goruyi, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CIII, 1955, pp 403-405.

AEC Tr 2712

Sci - Electronics
Jun 57

4 8,6 23

The Problem of the Angular Distribution of
Fission Fragments of Uranium at High Energy
Excitations, by O. V. Lozhkin, N. A. Perfilov,
V. P. Shamov, 3 pp.

RUSSIAN, no per, Dok Ak Nauk SSSR, CIII, 1955,
p 40%.

SLA 61-17513
AEC Tr 2296

Sci - Physics

29,207

Fission of Uranium Nuclei by Fast Protons, by
V. I. Ostretsov, 4 pp.

RUSSIAN, thrice-as per, Dok Ak Nauk, Vol CIII,
No 3, 1955, pp 409-411.

Sci - Nuclear Physics 39, 297
Sep 56 GTS
A.E.R.E. Harwell Tr 692
SRA 61-17512

39, 297

KT4314

Determination of the Excitation Energy of
Nuclei by Tracks of Recoil Nuclei of Stars in
a Photographic Emulsion, by V. I. Ostroumov,
3 pp.

mo per,
RUSSIAN, /Dok Ak Nauk SSSR, Vol CIII, 1955,
pp 413-416.

SLA 61-17511
AEC Tr 2289

29, 203

CONSULTANTS BUREAU
(Col No 4 of Soviet
Research in High Energy
Fission)

Sci - Nuclear Physics

On the Yield of Fission and Star Formation After
Capture of π^+ -Mesons by the Nuclei U, Bi, and W,
by N. A. Perfilov, O. V. Lozhkin, and V. P. Shamov,
7 pp.

RUSSIAN, mo per, Dok Ak Nauk SSSR, Vol CIII,
1955, pp 417-419.

SLA 61-17510
AEC Tr 2304

29/194

Sci - Nuclear Physics

A Possible Method of Eliminating the
Divergences in the Problem of the Interaction
of Non-Relativistic Nucleons, by E. L.
Feinberg, D. S. Chernavakiy

~~RUSSIAN, thrice-mo per, ~~1955~~ Dok Ak Nauk~~
~~Dok Ak Nauk, Vol CIII, 1955, pp 421-424.~~

Scientific - Physics AEC UCRL 246
Jan 56 CTS RT 3311

29,746

The Importance of the Rate of Irradiation in the
Damage of Animal Organism by X-rays, by B. M.
Grayeyskaya, R. Ya. Keilina, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII,
No 3, 1955, pp 425-426.

Sci Trans Center RT-3257

32,168

Sci - Biology

Mar 56

Disposition of the Color Perception Receptors in the
Human Fovea, by M. S. Smirnov, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII, No 3,
1955, pp 427-429.

Navy Tr 3023/NMS 639

Sci - Med

Feb 62

186, 731

On Stone-Like Fractures in Structural Steels,
by S. S. Nosyreva, A. M. Polyakova, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII,
No 3, 1955, pp 60-68. 431-432

Morris D. Friedman
\$3.50

Scientific - Min/Metals 34,970
Jun 56 CRS/dex

Polymerization of Chloroprene in the Presence of
the β -Polymer of Chloroprene, by A. N. Pravednikov
S. S. Medvedev, 9 p.

RUSSIAN, per, ^{AK} Akademiya Nauk SSSR, 1955, Vol CIII, No:
pp 461-464.

SLA 59-17770

Sci
Feb 60
Vol 2, No 9

107,043

(NY-5590)

Generalization of the Hugoniot Equation for
Nonstationary Flame Propagation Processes in
Tubes, by Ya. K. Troshin, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, No 3, Vol III,
21 Jul 1955, pp 465-468.

JPRS 7586

140, 289

Sci. - Phys

Feb 61

SLA: 61-21130

Concentration Limits of Ignition fo Flowing
Gaseous Mixtures, by L. N. Khitrin, et al.

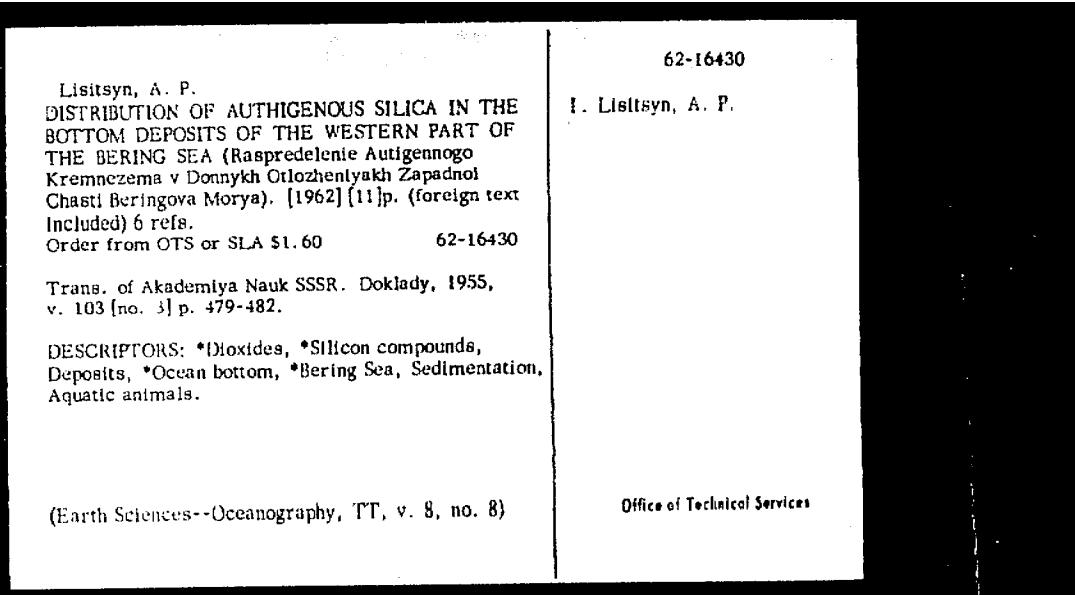
RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CIII, No 3, 1955, pp 469-472.

Coop Trans Scheme Tr 215
11.s.Od.

Sci - Fuels, Chemistry . 36, 338

Vol 1956

A. E. Maynard Library
Dept. of Defense
U.S. Army Materiel Development and Test Center



Connection of Photoaxis of Chloroplasts With
Photosynthesis, by L. N. Babushkin, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CIII, 1955, pp 507-510.

SLA R-1334

May 58

64, 595

On the Possibilities of Designing Circuits Out
of Various Elements, by O. B. Lurpanov, 5 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CIII, No 4,
1955, pp 561-563.

MDF L-109

Sci - Phys
Jul 61

161,400

The Fission of Uranium Nuclei by Protons of
Energy 460 MeV, by N. S. Ivanova, N. A. Perfilov,
V. P. Shamov, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII,
No 4, 1955, pp 573-575.

Sci Tr Center
RP-4008
SLA 61-1750g 39,125

Sci - Physics
Sep 56 CTB/dex

High Energy Photon Showers, by I. L. Rosental',
N. L. Ter-Mikaelian, and E. L. Feinberg, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII, 1955,
pp 581-584.

CIA/FDD/X-1977

AEC Tr 2316

29,481

USSR

Sci - Nuclear Physics

The Stability of the Deuteron in the Meson Theory, by E. L. Feinberg, D. S. Chernavskiy

RUSSIAN, thrice-mo per, Dok Ak Nauk Vol CIII,
1955, pp 585-592.

AEC UCRL Tr 248

Scientific - Physics
Jan 56 CTS

29,748

Mechanism for the Fission of Heavy Nuclei
at High Excitation Energies, by V. P.
Shamov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII,
1955, pp 593-595.

SLA 61-17508
AEC Tr 2308 29,188

Consultants Bureau
(Collection No 4 of Soviet
Research on High Energy Fission

Sci - Nuclear Physics
Physics

On Microdeformations in the Crystal Lattice of δ -Fe
for Tempered and Annealed Steels, by B. Ya. Pines,
6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII,
No 4, 1955, pp 601-604.

Morris D. Friedman P-108
\$3.00
34,932

Scientific - Physics
Min/Metals
Jun 56 CTS/dex

To the Question of the Nature of the Plastic
Deformation of the Surface Layers of Rubbing
Bodies, by K. V. Savitskiy, M. P. Zagrebennikova,
7 pp.

RUSSIAN, thrice-mo par, Dok Ak Nauk SSSR,
Vol CIII, No 4, 1955, pp. 605-608.

Morris D. Friedman 3 - 102
\$3.50

Scientific - Physica 34,969
Jun 56 CTS/Mex

Sci Mus Hub 58/1107

V
Effect of Plastic Deformation of Alloy
Structural Steels in the Austenitic State upon
Temper Embrittlement, by L. V. Smirnov et al

RUSSIAN, thrice mo per, Dok Ak Nauk SSSR, Vol 103,
No 4, 1955, pp 609-10

MIF 5-75
Brutcher No 3672
\$2.25

Scientific - Min/Metals 31, 241
Feb 56 CTS/dex

Properties of Mixed Polyamides Prepared by
Polycondensation of Binary Systems, by V. V.
Korshak, T. M. Prunze.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CIII, No 4, 1955, pp 623-626.

T.I.L. T-4628

Sci - Chemistry

34,474

May 1956

Kinetics⁵ of Reaction of the Oxidation of Nitrogen
Induced by Electron Impact by S. Ya. Pshezhetatskiy,
M. T. Dmitryev. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII, No 4, 1955,
pp 647-650.

Navy Tr 1840/NRL 685

Sci - Physics
Sep 58

74, 140

Mironov, S. I., Gal'pern, G. D. and Kolbanovskif, Yu. A.
TEMPERATURES AT WHICH MINERAL OIL IS FOR-
MED AND CONVERTED, 5p. 14 refs. MTWL 852.
Order from OTS or ETC \$1.40 61-17344

Trans. of Akademiya Nauk SSSR Doklady 1955,
v. 103, no. 4, p. 667-668.

DESCRIPTORS: Mineral oils, *Hydrocarbons, *Chemical equilibrium, Temperature.

61-17344

I. Mironov, S. I.
II. Gal'pern, G. D.
III. Kolbanovskif, Yu. A.
IV. MTWL-852
V. Stichting Moeilijk
Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Influence of the Solar Maxima Activity on Conditions
of Reproduction of the Salmon (*Oncorhynchus*
gorbuscha (Walbaum)), by I. B. Birman, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII,
No 4, 1955, pp 717-719.

Sci Mus Lib No 56/3059

44, 022

Fisheries Research
Canadian
Department of Fisheries

Sci - Biology

Monochromatic Radio Emission of Deuterium at
91.6 cm Wavelength from the Center of Galaxy,
by G. G. Getmantsev, K. S. Stankevich, V. S.
Troitskiy, 4 pp.

Full tr.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CIII, No 5, 1955, pp 783-786.

Mavy Tr 1329/NRL 552

Sci - Electronics

33,979

May 1956

An Investigation of the Spin-Orbital Splitting
of the He³ Levels in the Scattering of Polarized
Neutrons by He⁴, by I. I. Smirnov, Levintov,
A. V. Miller, V. N. Shmelev

RUSSIAN, thrice-pp per, Dok Ak Nauk SSSR, Vol
GPN, 1955, pp 803-806.

AEC Tr 2370
Assoc Tech Sv Tr 36G3R

Scientific- Physics
Feb 39 56 CTG/dex

31/142

Peculiarities of the Faraday Effect in Paraffin-Ferrite Mixtures, by V. A. Fabrikov. UECI

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII, No 5,
1955, pp 807-809.

SLA 61-17487
CCT-1270B

Sci - Chem
Sep 59

96,640

The Three Dimensional Problem of Flow Over Irregular
Surfaces of the Earth Considering the Sphericity of
the Earth, by Sh. A. Musayelyan,

RUSSIAN, per Dok Ak Nauk, Vol CIII, No 5, pp 815-818.

FDD X-4229

JPKS 5217

Sci - Geophysics

Apr 60

115,125

Nov 61

On the Synthesis of Switching Circuits With
Selector Switches, by V. M. Ostienko, 7 pp.

RUSSIAN, per, Doklady Ak Nauk USSR, Vol CIII,
No 5, 1955, pp 827-830.

MDF 0-105
9093022

173,348

The Alkylation of Phenol by Acetylene in Aqueous Solutions, by V. L. Vaisser, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII,
No 5, 1955, pp 839-841.

Sci Tr Ctr RT-3443

Scientific - Chemistry 34, 916

May 56 CTS/dex

Multi-component Mixed Polyamides, by V. V.
Korshak, T. M. Frunze.

RUSSIAN, per, Dok Ak Nauk, SSSR, Vol CIII,
No 5, 1955, pp 843-846.

T.I.L. T.4650

Sci - Physics, Chemistry 34, 54/
May 1956

Investigation With the Electron Microscope of the
Effect of Surface Active Admixtures on the
Crystalline Formations on Hydration of the
Minerals of Cement Clinker, by A. N. Adamovich,
5 pp.

RUSSIAN, por, Dok Ak Nauk SSSR, Vol CIII, No 5,
1955, pp 853-856.

Sci Mus Lib Tr 56/1687
Watford: Build Res Stat.
Build Res Lib No 740

Sci - Chemistry, Electronics 40, 644

Okusev, A. I., Dlev, N. P. and others.
EL PROBLEMA DE LA CINÉTICA DE LA
OXIDACION DE LOS SULFUROS (K Voprosu o
Kinetike Okisleniya Sul'fidor) (The Problem of the
Oxidation Kinetics of Sulfurs). 12p. 6 refs.
CID: 62-252.
Order from OTS, ETC or CID \$0.80 62-29252

Trans. in Spanish of Akademika Nauk SSSR. Doklady.
1955, v. 103, no. 5, p. 837-860.

DESCRIPTORS: *Oxidation, Sulfur, Reaction kinetics.

(Chemistry--Physical, TT, v. 10, no. 9)

62-29252

- I. Okusev, A. I.
- II. Dlev, N. P.
- III. CID-62-252
- IV. Centro de Informacion
y Documentacion,
Madrid (Spain)

Office of Technical Services

The Productivity of Chemisynthesis in Muddy Sediments,
by Y. I. Sorokin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII, 1955,
pp 875-877.

SLA Tr R-1335

Sci

Jun 58

65, 852

Vertical Distribution of Plankton in
the Oceans of the World and Typology
of Sea Basins, by K. A. Brodsky.

RUSSIAN, per, Dok Ak Nauk SSSR,
Vol CIII, No 5, 1955, pp 917-~~2000~~920.

CSIRO

Sci - Geophys

Mar 62

Acqst Unit 1

6/1 E51 Not 1

188,533

The Relation of the Changes in Pelagic Cladocera
to Bacterial Growth in the Water Basin, by
E. F. Manujlova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII,
No 6, 1955.

NZDIA

Sci
Dec 62

Synthesis of Non-Iterated Circuits, by B. A.
Trakhtenbrot, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII,
No 6, 1955, pp 973-~~176~~.

9

MDF T-116

Sci - phyp
Jul 61

161,374

Certain Laws Governing the Propagation of Waves in
an Inhomogeneous Medium, by A. S. Alekseyev, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII,
No 6, 1955, pp 989-992.

CIA/TDD X-2391

Sci - Physics
May 1957 GTS/dex

47,331
Sci Mus Sub 57/0784
AERE Harwell 750

Auto-Fission of Uranium Nuclei With Emission of
Light, Long Range Particles, by B. P. Bannik, Yu.
. Ivanov

MAX RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
ol CIII, 1955, pp 997-999.

AEC Tr 2380

Scientific - Nuclear Physics
ab 56 CTS/dex

KT 3460
31,147

Role of Diffusion in the Phenomenon of
Adhesion of High Polymers, by S. S. Voyut-
skiy.

RUSSIAN, per, Dok Ak Nauk SSSR, No 5, 1955,
pp 1000-1002.

ASLIB-GB131

Sci

Aug 58

72,496

Zero Equality of Re-Normalized Charge in Quantum
Electrodynamics, by I. Pomeranchuk, 6 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol CIII, 1955, pp 1005-1008.

SLA/KT-3427
AEC UCRL Tr 253

Scientific - Physics
Feb 56 CTS/dex

31,148

RUSSIAN FRENCH
CTS 77-61 -28597

...local sections in the Argon 2000-10300 f., by
A. A. Bagayevskiy, M. K. Fedorov, S. Yu.

MOSCOW, October 1959, No. 14776, Vol. 6,
No. 6, 1959, pp. 1000-1011. 37. 000079

Dir Sci Info Sv

DOD Scientific Information Sv

53,666

Identify - Astronomer, luminescence, spectrography
and 56 CTS/sec

The Frictional Relations Between Highly
Elastic Materials and Hard Smooth Surfaces,
by G. M. Bartenev.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CIII, No 6, 1955, pp 1017-1020.

Coop Trans Scheme Tr 218
L1.

Sci - Physics

36,341

Jul 1956

The Role of Mechanical and Molecular Roughness
in External Friction, by B. V. Deryagin, et al. 6/12

RUSSIAN, thrice-mo per, Dok Ak NaukSSSR, Vol
CIII, No 6, 1955, pp 1021-1024.

SLA P-3956
Coop Trans Scheme Tr 219
L1.4B.

36, 342

Sci - Physics, Engineering

Jul 1956

The Height of an Element of an Extraction Column
Equivalent to a Theoretical Plate, by S. V. L'vov,
V. B. Fal'kovskiy, 2 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIII,
No 6, 1955, p 1027.

Sci Mus Lib No 56/2646

Sci - Physics

43,440

→ 56/2646/CT

Effect of High Pressures on the Molecular Structure
of Coals, by L. L. Razumova, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII, No 6,
1955, pp 1033, 1034.

Dept of Interior
US Geological Survey
Denver Branch Library
Denver, Col

Sci - Geophysics
Jan 61

136,053

On Some Characteristics of the Concentration of
Niobium in Nepheline Syenites, by L. S. Borodin,
5 pp.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol CIII, 1955
p 1061-1063.

SLA R 1657

Sci

Jul 58

6876?

~~68,76~~